*RETURN TO FMF - LOCATION 7540 Pre - edit

QUERY CONTROL FORM				RTIS US	E ONLY
Application No. 09/ 972		Prepared by	RWP	Tracking Number	
Examiner-GAU Robert J		Date 4/23/04	4/19/201	Week Date	X
	<u> </u>	No. of queries 🔏	0 1	L	
				OCA	- \
	<u> </u>	JACKET			
a. Serial No.	f. Foreign Priority	k. P	rint Claim(s)	р .) РТО-1	
b. Applicant(s)	g. Disclaimer		rint Fig.	q. PTOL-	
c. Continuing Data	h. Microfiche Appe		Searched Colun		
d. PCT	i. Title		PTO-270/328 PTO-892	s. Sheets t. Other	/Figs
e. Domestic Priority	j. Claims Allowed	O. F	10-692	t. Other	
SPECIFICATION	MESSAGE P	TO - 1449	– Please	initial or or	like though
a. Page Missing	entries on F	70 -1449	dated	2-11-2004	(5 049)
b. Text Continuity					
c. Holes through Data					,
d. Other Missing Text	,				
e. Illegible Text	·				
f. Duplicate Text					
g. Brief Description	,				
h. Sequence Listing	*			thanks	
i. Appendix					
j. Amendments					
k. Other					
			·		· <u></u>
CLAIMS				<u> </u>	
a. Claim(s) Missing			•		
b. Improper Dependency					
c. Duplicate Numbers					***
d. Incorrect Numbering	· ·			· · · · · · · · · · · · · · · · · · ·	initials MU
e. Index Disagrees	RESPONSE	4. 1949 f	om fox	To Appl.	Representat
f. Punctuation			<i>U</i> (***		
g. Amendments					
h. Bracketing				M	
i. Missing Text					
j. Duplicate Text					
k. Other					
					initials

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

•	Сол	nplete if Known	
Substitute for form 1449A/PTO .	Application Number	09/972,056	
	Filing Date	October 5, 2001	
INFORMATION DISCLOSURE	First Named Inventor	Matyjaszewski	
STATEMENT BY APPLICANT	Art Unit	1713	
	Examiner Name	Harlan	
(use as many sheets as necessary)			
Sheet 1 of 5	Attorney Docket Number	00819	

U.S. PATENT DOCUMENTS									
Examiner Initials*	Cite No.1	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear				
μ 1		3,183,217	05/11/1965	Semiuk, et al.					
		3,959,225	05/25/1976	Kuntz					
		4,007,165	02/08/1977	MacLeay, et al.					
		4,374,751	02/22/1983	Dudgeon					
		4,728,706	03/01/1988	Farnham, et al.					
		4,940,648	07/10/1990	Geiger					
		4,954,416	09/04/1990	Wright, et al.					
	· .	5,089,135	02/18/1992	Yoneyama, et al.					
		5,169,914	12/08/1992	Kaszas, et al.					
		5,312,871	05/17/1994	Mardare, et al.					
L		5,405,913	04/11/1995	Harwood, et al.					
1		5,451,647	09/19/1995	Faust, et al.					
L	L	5,470,928	11/28/1995	Harwood, et al.					
L	ļ	5,510,307	04/23/1996	Narayanan, et al.					
<u> </u>	<u> </u>	5,763,548	06/09/1998	Matyjaszewski, et al.					
M	l .	5,789,487	08/04/1998	Matyjaszewski, et al.					

		FOREIGN F	PATENT DOCU	JMENTS		
		Foreign Patent Document			Pages, Columns, Lines,	T
Examiner Initials*	Cite No.1	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
M		EP 0341012	11/08/1989		i i i i i i i i i i i i i i i i i i i	1
		EP 0870809	10/14/1998			1
- {		W0 00/56795	09/28/2000			1
M		WO 98/01480	01/15/1998			二
						+-
	ļ					
	 					╀

Examiner	I I I	1	Date		
	1 11 1 1 1 1 1 1	IT_{i-}		1 9 - 1) _ 4 %	
Signature	1 Pirw	l'an	Considered	1 / 0) - 0 /	
					

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PI-1114776 v1 0201710-0702

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

		Complete if Known			
Substitute for form 1449A/PTO		Application Number	09/972,056		
		Filing Date	October 5, 2001		
INFORMATION DISCLO		First Named Inventor	Matyjaszewski		
STATEMENT BY APPLI	CANT	Art Unit	1713		
		Examiner Name	Harlan		
(use as many sheets as nece	ssary)				
Sheet 2 of	5	Attorney Docket Number	00819		

		U.S	S. PATENT DOC	UMENTS	
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.1	Number - Kind Code ² (if known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
141		5,807,937	09/15/1998	Matyjaszewski, et al.	
		5,910,549	06/08/1999	Matyjaszewski, et al.	
		5,945,491	08/31/1999	Matyjaszewski, et al.	
		6,111,022	08/29/2000	Matyjaszewski, et al.	
		6,121,371	09/19/2000	Matyjaszewski, et al.	
	<u> </u>	6,124,411	09/26/2000	Matyjaszewski, et al.	
		6,162,882	12/19/2000	Matyjaszewski, et al.	
		6,288,186	09/11/2001	Matyjaszewski, et al.	
		6,407,187	06/18/2002	Matyjaszewski, et al.	<u> </u>
		6,512,060	01/28/2003	Matyjaszewski, et al.	
		6,538,091	03/25/2003	Matyjaszewski, et al.	
		6,624,262	09/23/2003	Matyjaszewski, et al.	
		6,624,263	09/23/2003	Matyjaszewski, et al.	
CH		6,627,314	09/30/2003	Matyjaszewski, et al.	
_					· · · <u> </u>
				·	

		FOREIGN F	PATENT DOC	JMENTS		
_		Foreign Patent Document			Pages, Columns, Lines,	T-
Examiner Initials*	Cite No.1	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T⁰
-						╄-
						+
						+-
				<u>:</u>		\perp
			-	10		ــــ

Examiner	£ A	16 1	Date	Δ	
Signature	MHAT	HW	Consid	dered 9-23-02	,)
				30.00	,

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

				Complete if Known		
Substitute for form 1449A/PTO		Application Number	09/972,056			
INFORMATION DISCLOSURE				Filing Date	October 5, 2001	
				First Named Inventor	Matyjaszewski	
STATEMENT BY APPLICANT			CANT	Art Unit	1713	
				Examiner Name	Hartan	
(use as many sheets as necessary)			ssary)			
Sheet	3	of	5	Attorney Docket Number	00819	

3/1		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
M		United States Patent application No 10/269,556 filed October 11, 2002. Attorney Docket No. 010686	
		United States Patent application No. 09/359,359 filed July 23, 1999. Attorney Docket No. 00169DIV3	
		United States Patent application No. 09/534,827 filed March 23, 2000 Attorney Docket No. 00093	·
		United States Patent application No. 10/034,908 filed December 21, 2001. Attorney Docket No. 001153	
		United States Patent application No. 10/118,519 filed April 6, 2002. Attorney Docket No. 010314	
		United States Patent application No. 10/271,025 filed October 15, 2002. Attorney Docket No. 010687	·
		United States Patent application No. 10/289,545 filed November 7, 2002. Attorney Docket No. 00163DIVCON	
		CARTER ET AL., "Polyimide Nanofoams From Phase-Separated Block Copolymers", Electrochemical Society Proceedings, 1997, pp. 32-43, Vol. 97, No. 8, Electrochemical Society, Pennington, NJ, US,	
		CHEN ET AL., "Pryolytic Behavior and In-Situ Paramagnetism of Star-like C60(CH3)x(PAN)xcopolymers", European Polymer Journal, March 1, 1998, pp. 421-429, Vol. 34, No. 3-4, Elsevier Science Ltd., Oxford, GB,	
M		DOROTA GRESZTA ET AL., "Gradient Copolymers of Styrene and Acrylonitrille Via Atom Transfer Radical Polymerization", Polymer Preprints, April 1997, pages 709-710, Vol 38(1).	<u> </u>

		Examiner Signature	Most	1 tank	Date Considered	9-23-03
--	--	-----------------------	------	--------	--------------------	---------

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

				Complete if Known		
ubstitute for	form 1449A/PT	0		Application Number	09/972,056	
				Filing Date	October 5, 2001	
INFO	RMATION	DISCLO	SURE	First Named Inventor	Matyjaszewski	
STAT	EMENT B	Y APPLI	CANT	Art Unit	1713	
				Examiner Name	Harlan	
(use a	s many shee	ets as néce	ssary)			
Sheet	4	of	5	Attorney Docket Number	00819	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Τ²
M		GROMADA, J.; MATYJASZEWSKI, K. Macromolecules 2001, 34, 7664-7671.	
		JIN-SHAN WANG AND KRZYSZTOF MATYJASZEWSKI, "Controlled/"Living" Radical Polymerization. Atom Transfer Radical Polymerization in the Presence of Transition-Metal Complexes". Reprinted form the Journal of the American Chemical Society, 1995, Vol. 117, No. 20.	
·		JIN-SHAN WANG AND KRZYSZTOF MATYJASZEWSKI, "Controlled/"Living" Radical Polymerization. Halogen Atom Transfer Radical Polymerization Promoted by a Cu(I)/Cu(II) Redox Process". Reprinted from Macromolecules, 1995, 28. Department of Chemistry, Carnegie Mellon University. Received May 2, 1995; Revised Manuscript Received August 14, 1995.	
		KRZYSZTOF MATYJASZEWSKI, MINGLI WEI, JIANHUI XIA AND NANCY E. MCDERMOTT, "Controlled/"Living" Radical Polymerization of Styrene and Methly Methacrylate Catalyzed by Iron Complexes1", Macromolecules, Vol. 30, No. 26, 1997.	
		KRZYSZTOF MATYJASZEWSKI, SIMION COCA, SCOTT G. GAYNOR, MINGLI WEI AND BRIAN E. WOODWORTH, "Zerovalent Metals in Controlled/"Living" Radical Polymerization", Macromolecules, 1997, pp. 7348-7350, Vol. 30, No. 23.	1000
		MATYJASZEWSKI, K.; Editor Controlled/Living Radical Polymerization. Progress in ATRP, NMP, and RAFT. In: ACS Symp. Ser., 2000; 768, 2000., Chapter 19 "Reverse Atom Transfer Radical Polymerization Using AIBN or BPO as Initiator" pp. 263-275	
		MATYJASZEWSKI, K.; XIA, J. Chem. Rev. 2001, 101, 2921-2990.	
		MINGLI WEI, JIANHUI XIA, NANCY E. MCDERMOTT AND KRZYSZTOF MATYJASZEWSKI, "Atom Transfer Radical Polymerization of Styrene in the Presence of Iron Complexes", Polymer Preprints, 38(2), 231 (1997), Department of Chemistry, Carnegie Mellon University.	****
		QIU, J.; MATYJASZEWSKI, K; THOUIN, L.; AMATORE, C. MACROMOL. Chem. Phys. 2000, 201, 1625-1631.	
M		QUEFFELEC, J.; GAYNOR, S.G.; MATYJASZEWSKI, K. Macromolecules 2000, 33, 8629-8639.	

I Examiner I	$h \circ f \circ f \circ f \circ f$	Date	0 20 10
	11) 1) 1 f /h X	Daic	1 11 - 114 - 114 1
Signature	III VW	Considered	4 0 1 0 2
	 		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

				Complete if Known		
Substitute for	form 1449A/P1	го		Application Number	09/972,056	
				Filing Date	October 5, 2001	
	RMATION			First Named Inventor	Matyjaszewski	
STAT	EMENT B	Y APPLI	CANT	Art Unit	1713	
(use a	s many she	ets as nece	ssary)	Examiner Name	Harlan	
Sheet	5	of	5	Attorney Docket Number	00819	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
M		SIMION COCA, CHRISTINA B. JASIECZEK, KATHRYN L. BEERS AND KRZYSZTOF MATYJASZEWSKI, "Polymerization of Acrylates by Atom Transfer Radical Polymerization. Homopolymerization of 2-Hydroxyethyl Acrylate", Journal of Polymer Science, 1998, pp.1417-1424, Vol. 36, Part A: Polymer Chemistry.	e.
		SEONG MU JO ET AL, "Polyacrylonitrile with Low Polydispersities by Atom Transfer Radical Polymerization", Polymer Preprints, Vol. 38(1) April 1997, pages 697-698	
		SEONG MU JO ET AL, "Effects of Various Copper Salts and Additives on Polymerization of Acrylonitrile by Atom Transfer Radical Polymerization", Polymer Preprints, Vol. 38(1) April 1997, pages 699-700	
		TAKEICHI ET AL., "Preparation of Porous Carbon Films by the Pyrolysis of Poly(Urethane- imide) Films and Their Pore Characteristics", Carbon, February 2001, pp. 257-265, Vol. 39, No. 2,	
	*	TIMOTHY E. PATTEN AND KRZYSZTOF MATYJASZEWSKI, Atom Transfer Radical Polymerization and the Synthesis of Polymeric Materials, Advanced Materials 1998 10 No. 12, 901-915.	
		T.E. PATTEN ET AL., "Polymers with very Low Polydispersities from Atom Transfer Radical Polymerization", Science, Vol. 272, pp. 866-868, May 10, 1996.	
		U. SCHUBERT ET AL., "Design of Effective Systems for Controlled Radical Polymerization of Styrene: Application of 4,4'-Dimethyl and 5,5'-Dimethyl 2,2'-Bipyridine Copper(ii) Complexes", Macromol. Rapid Commun., Vol. 20, No. 6, pp. 351-355, 1999.	
		WANG ET AL., "Living"/Controlled Radical Polymerization, Transition-Metal-Catalyzed Atom Transfer Radical Polymerization in the Presence of a Conventional Radical Initiator", Macromolecules, 1995, Vol. 28, pp. 7572-7573.	. `
		WANG, JS.; MATYJASZEWSKI, K., J. Am. Chem. Soc. 1995, 117, 5614-5615.	
M		XIA J. AND MATYJASZEWSKI K., "Controlled/ "Living" Radical Polymerization. Homogenous Reverse Atom Transfer Radical Polymerization Using AIBN as the Initiator," Macromolecules, 1997, pp. 7692-7696, vol. 30.	

Signature / Www / Considered 9-23-03	Examiner		10.4	
Signature Considered (C)	A.	11 Marst Hand	Date 0-12-12	
	Signature	MACON MOO	Considered (V / V)	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.





Commissioner for Patents United States Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450 www.uspto.gov

Fax Cover Sheet

Date: 07 May 2004

To: Benard Pike	From: Robert D. Harlan	
Application/Control Number: 09/972,056	Art Unit: 1713	
Fax No.: 412-355-6501	Phone No.: (571) 272-1102	
Voice No.:	Return Fax No.: (703) 872-9306	
Re: Copy of PTO-1449	CC:	
Urgent For Review For Comm	ent For Reply Per Your Request	

Number of pages __ including this page

STATEMENT OF CONFIDENTIALITY

This facsimile transmission is an Official U.S. Government document which may contain information which is privileged and confidential. It is intended only for use of the recipient named above. If you are not the intended recipient, any dissemination, distribution or copying of this document is strictly prohibited. If this document is received in error, you are requested to immediately notify the sender at the above indicated telephone number and return the entire document in an envelope addressed to:

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

2001

TRANSMISSION OK

TX/RX NO

4433

CONNECTION TEL

914123556501

SUBADDRESS

CONNECTION ID

05/07 16:49

ST. TIME USAGE T

02'31

PGS.

6

RESULT

OK

OK